

Title (en)

Electrical "push-push" or "push-down" switch with a drive mechanism for the box

Title (de)

Elektrischer "Push-Push" oder "Push-Down" Schalter mit Antriebsmitteln für die Nuss

Title (fr)

Commutateur électrique du type "push-push" ou "push-down" à moyens d'entraînement de la noix

Publication

EP 2187414 B1 20141105 (FR)

Application

EP 09290850 A 20091109

Priority

FR 0806322 A 20081113

Abstract (en)

[origin: EP2187414A1] The switch (100) has a push-button moved between a rest position and an inserted position. A nut (160) is rotatably mounted with respect to the push-button. A driving unit (180) jointly moves the nut by the push-button. Elastic return units permanently restore the push-button in the rest position. Elastic tilting units are arranged to move a carrier (150) in both directions of stable positions. The elastic return units and the elastic tilting units are formed by a single spring compressed between the nut and the carrier.

IPC 8 full level

H01H 13/60 (2006.01)

CPC (source: EP)

H01H 13/60 (2013.01); **H01H 3/122** (2013.01); **H01H 3/46** (2013.01); **H01H 2003/466** (2013.01)

Cited by

WO2014174170A1; CN104036995A; IT202200001661A1; EP2450929A1; FR2967292A1; CN109643615A; US2019295789A1; RU2735632C2; FR3004849A1; RU2663812C2; EP3540751A1; RU207420U1; WO2017207857A1; WO2023148616A1; WO2019175397A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2187414 A1 20100519; EP 2187414 B1 20141105; BR PI0904261 A2 20110201; BR PI0904261 B1 20200929; CN 101901699 A 20101201; CN 101901699 B 20130925; CO 6300128 A1 20110721; ES 2528622 T3 20150211; FR 2938371 A1 20100514; FR 2938371 B1 20101119

DOCDB simple family (application)

EP 09290850 A 20091109; BR PI0904261 A 20091030; CN 200910217189 A 20091113; CO 09127180 A 20091110; ES 09290850 T 20091109; FR 0806322 A 20081113